

# BAM-1020 Audit Sheet

Model: **BAM-1020**

Serial Number: **721292**

Audit Date: **9/2/16**

Audited By: **M Potler**

Flow Audits			
Flow Reference Standard Used:	Model: <b>Delta Cal/A</b>	Serial No: <b>146294</b>	Calibration Date: <b>1/16/16</b>
Temperature Standard Used:	Model: <b>Δ</b>	Serial No: <b>Δ</b>	Calibration Date: <b>Δ</b>
Barometric Pressure Standard Used:	Model: <b>Δ</b>	Serial No: <b>Δ</b>	Calibration Date: <b>Δ</b>

Leak Check Value: as found: **0.8 lpm** as left: **0.5 lpm**

	BAM	Ref. Std.		BAM	Ref. Std.	
Ambient Temperature:	as found: <b>30 c</b>	<b>25.9 c</b>	as left:	<b>30 c</b>	<b>25.9 c</b>	N/A <input type="checkbox"/>
Barometric Pressure:	as found: <b>751 mmHg</b>	<b>750.0 mmHg</b>	as left:	<b>751 mmHg</b>	<b>750.0 mmHg</b>	N/A <input type="checkbox"/>
Flow Rate (Actual Volumetric):	as found: <b>16.7 lpm</b>	<b>16.47 lpm</b>	as left:	<b>16.7 lpm</b>	<b>16.47 lpm</b>	N/A <input type="checkbox"/>
Flow Rate (EPA Standard):	as found: <b>slpm</b>	<b>slpm</b>	as left:	<b>slpm</b>	<b>slpm</b>	N/A <input type="checkbox"/>

## Mechanical Audits

Pump muffler unclogged:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	PM10 particle trap clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Sample nozzle clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	PM10 drip jar empty:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Tape support vane clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	PM10 bug screen clear:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Capstan shaft clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	PM2.5 particle trap clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Rubber pinch rollers clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	Inlet tube water-tight seal OK:	as found <input checked="" type="checkbox"/>	as left <input checked="" type="checkbox"/>	
Chassis ground wire installed:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	Inlet tube perpendicular to BAM:	as found <input checked="" type="checkbox"/>	as left <input checked="" type="checkbox"/>	

Analog Voltage Output Audit			N/A <input type="checkbox"/>
DAC Test Screen	BAM Voltage Output	Logger Voltage Input	
0.000 Volts	Volts	Volts	
0.500 Volts	Volts	Volts	
1.000 Volts	Volts	Volts	

Membrane Audit	
LAST m (mg):	
ABS (mg):	
Difference (mg):	
% Difference:	

Flow Control Range	
Flow Setpoint	BAM Flow
15.0 LPM	
16.7 LPM	
18.4 LPM	

Setup and Calibration Values								
Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock Time/Date			FLOW TYPE			AP		
RS232 baud			Cv			FRI		
STATION #			Qo			FRh		
RANGE			ABS			Password		
BAM SAMPLE			μ sw			Cycle Mode		
MET SAMPLE			K Factor			RH Control		
OFFSET			BKGD			RH Setpoint		
CONC UNITS			STD TEMP			Datalog RH		
COUNT TIME			HEATER			Delta-T Control		
FLOW RATE			e1			Delta-T Setpoint		
CONC TYPE			Errors			Datalog Delta-T		

## Last 6 Errors in BAM-1020 Error Log

Error	Date	Time	Error	Date	Time
1 Flow Self Test	9/2	12:28	4 Tape Tension	8/30	19:15
2 Maintenance	9/2	11:58	5 Maintenance	8/30	19:08
3 Maintenance	9/2	11:39	6 Maintenance	8/30	19:07

Audit Notes: **System running on arrival; system data download**  
**Tape Test = pass**